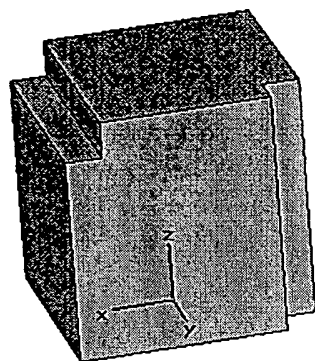
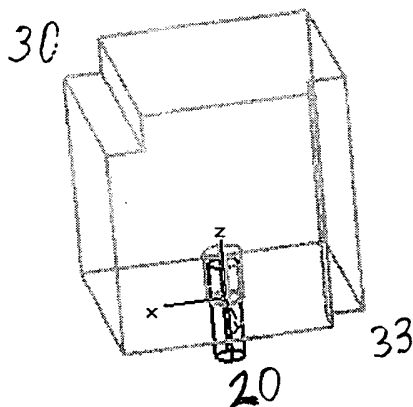


FOUO "E5E28660



10

(a)



10

(b)

Figure 1.

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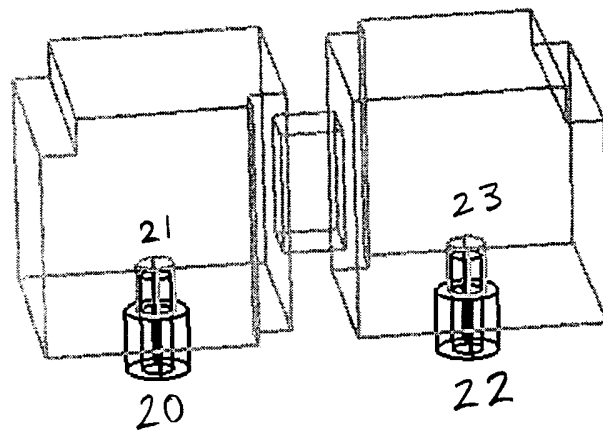
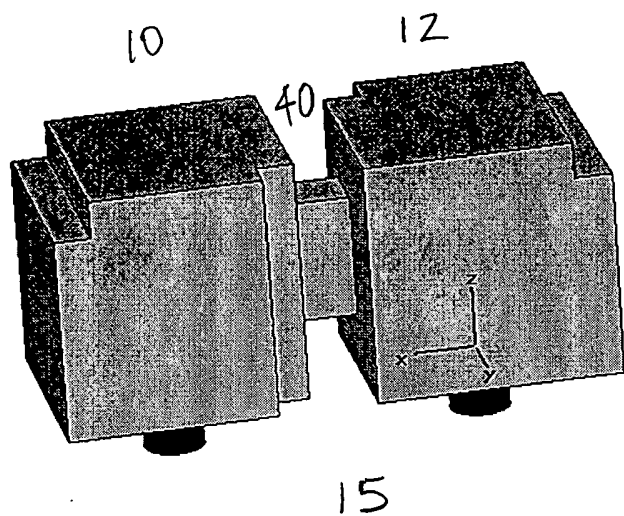


Figure 2.

10997353-11401

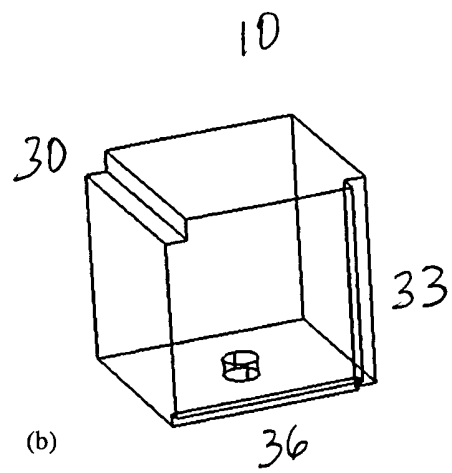
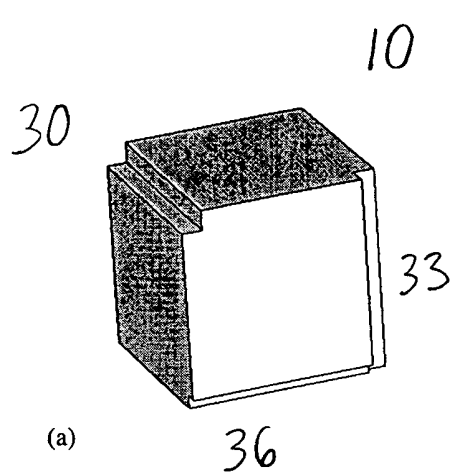


Figure 3.

09987353-11401  
"TTTT" ESZ28660

0992733-1140  
TOTTENHAM

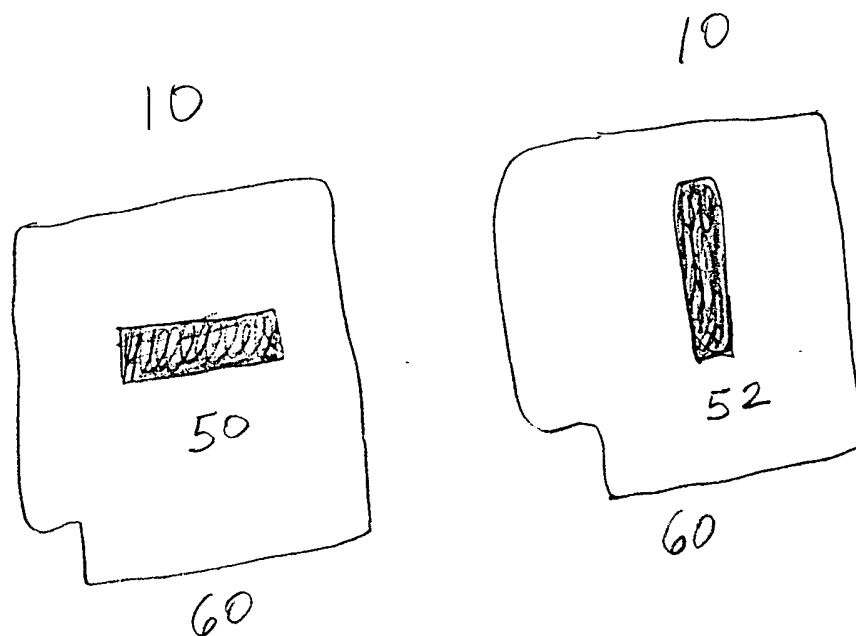
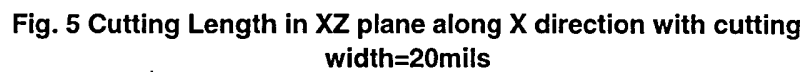


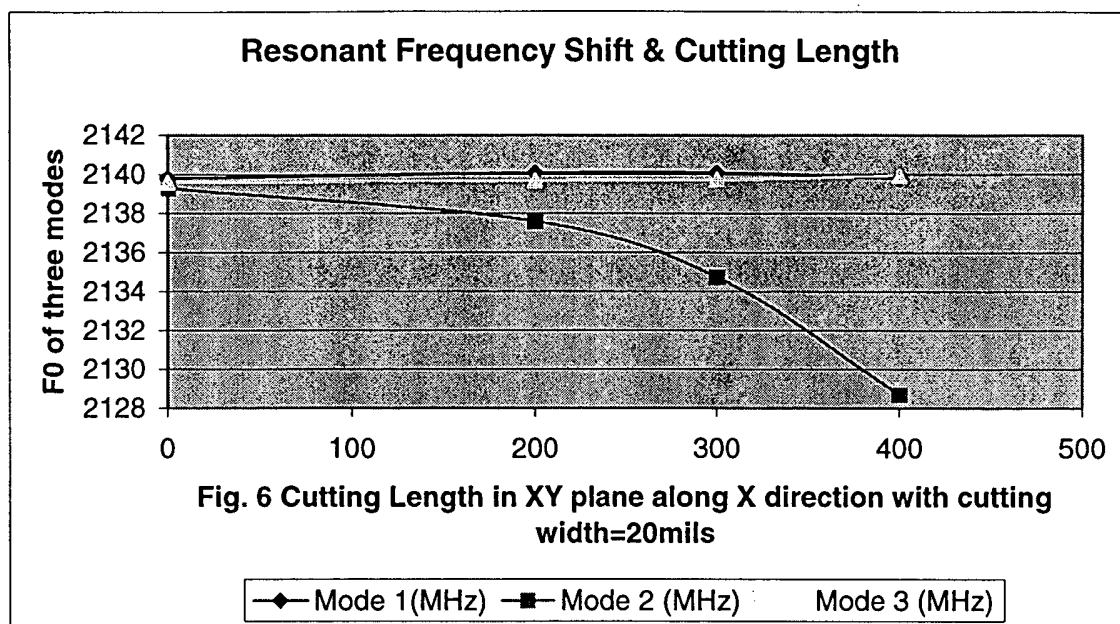
Figure 4

**SECRET**

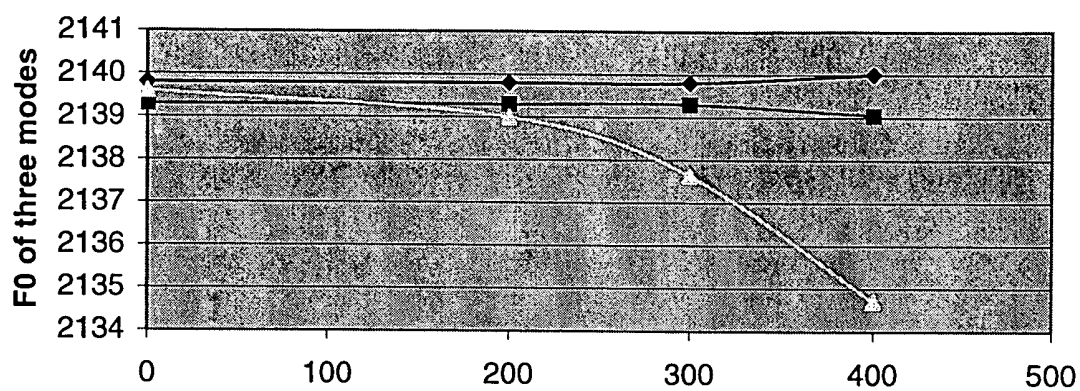


—◆— Mode 1 (MHz) —■— Mode 2 (MHz) —○— Mode 3 (MHz)

TOP SECRET 8860



### Resonant Frequency Shift & Cutting Length



**Fig. 7 Cutting Length in XY plane along Y direction with cutting width=20mils**

—◆— Mode 1 (MHz) —■— Mode 2 (MHz) Mode 3 (MHz)

09987353-11140-1

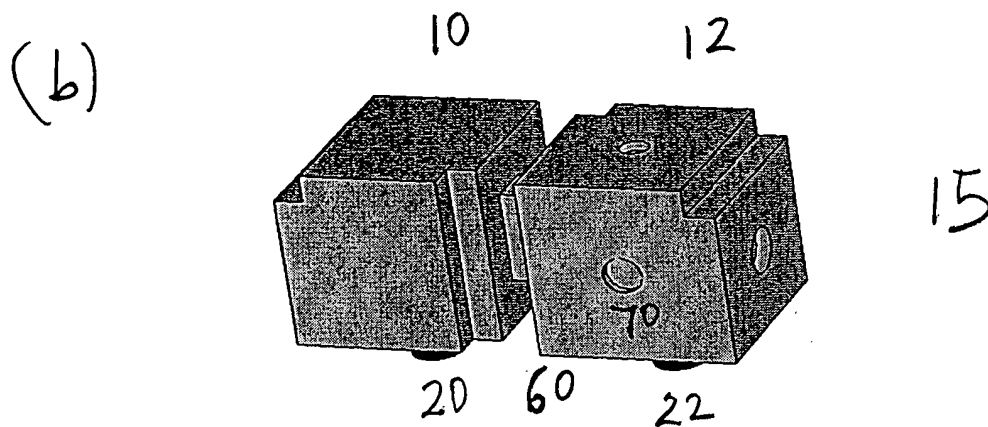
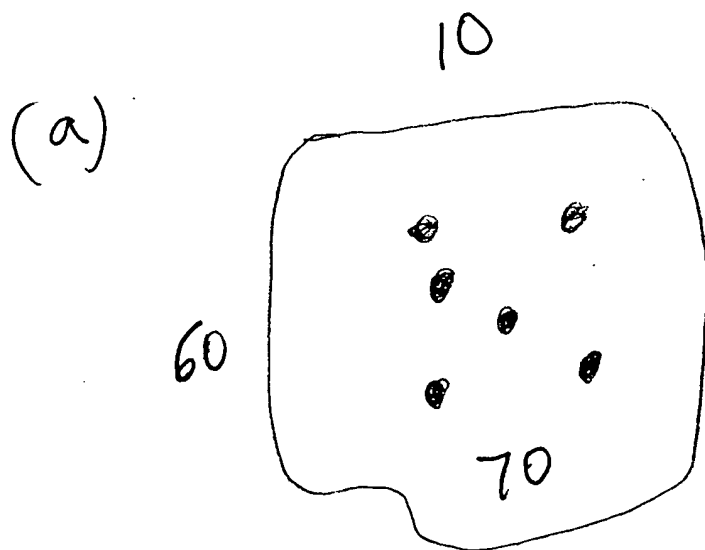


Figure 8



10477" 8543650

### Resonant Frequency Shift & Cutting Numbers

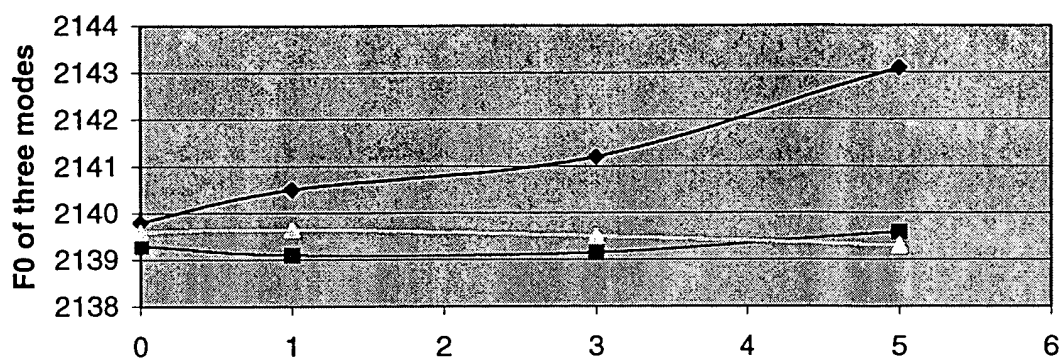
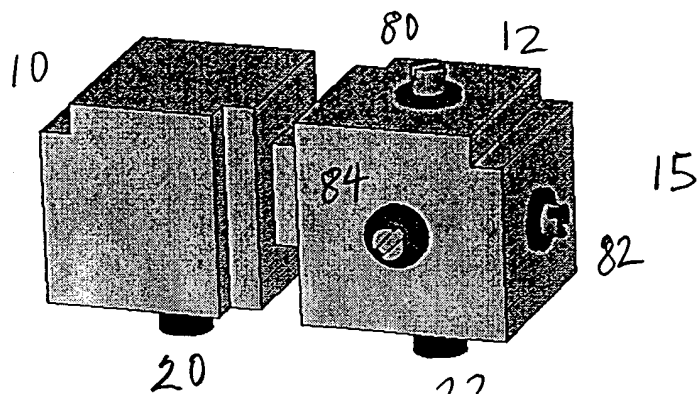


Fig. 9 Number of Circles Cutting in XY plane with cutting diameter=40mils

—◆— Mode 1(MHz) —■— Mode 2 (MHz) —▲— Mode 3 (MHz)

(a)



(b)

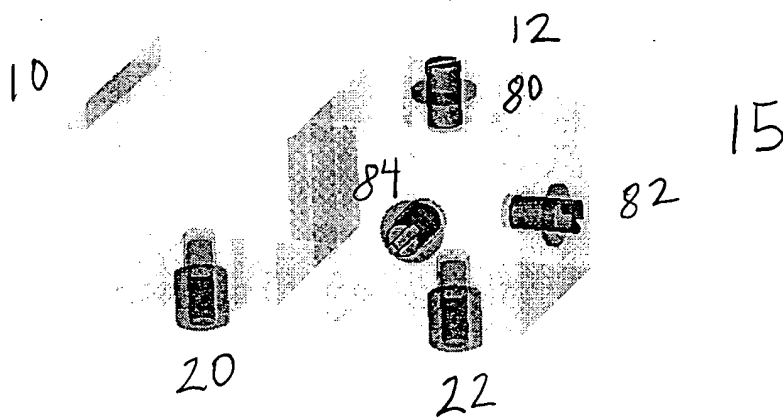


Figure 10.

00987353-11401  
FOUO ESE/8660

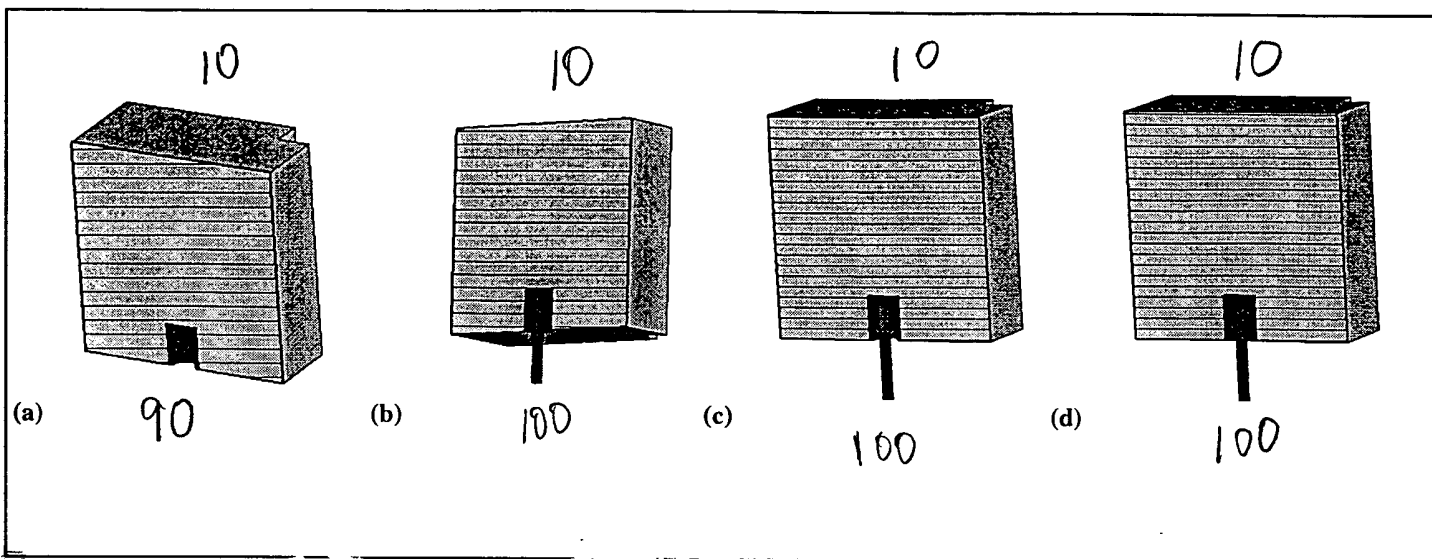
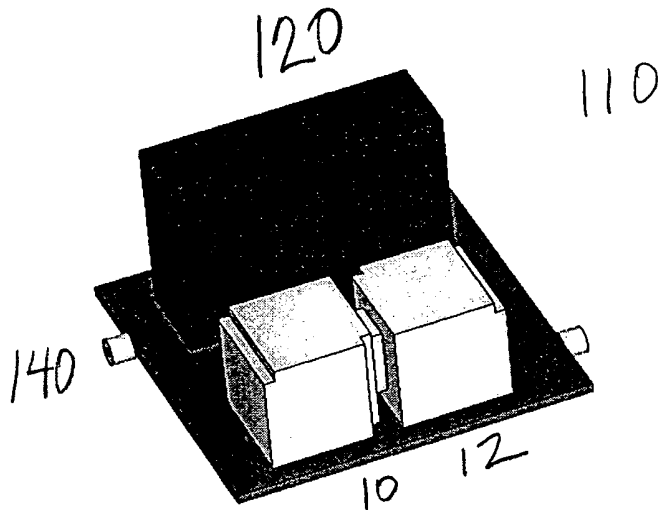


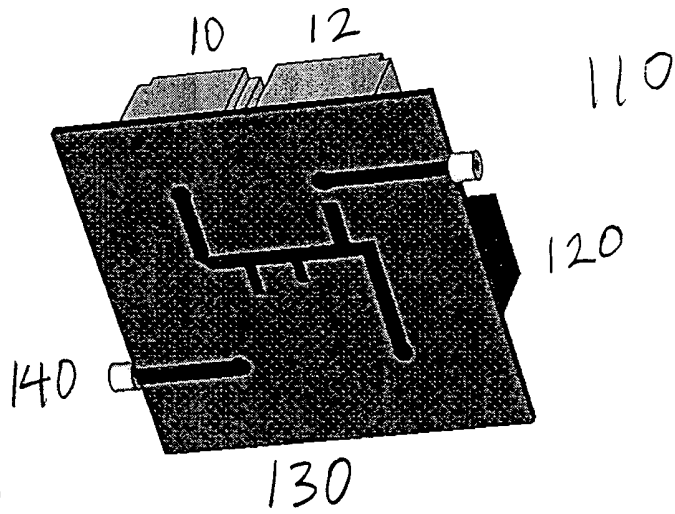
Figure 11.

1044T" ESE/8660

0997353-11401



(a)



(b)

Figure 12.

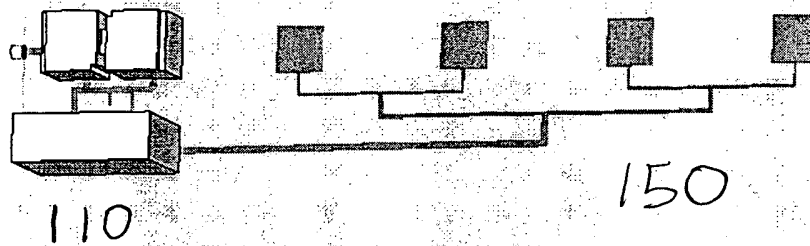


Figure 13.

0998733 "ESE28660  
T04T T" ESE28660

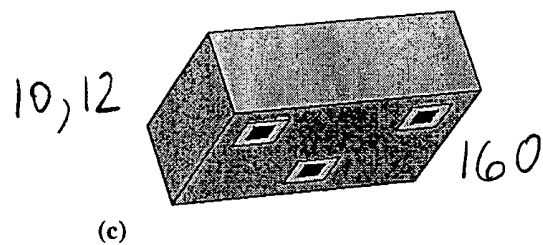
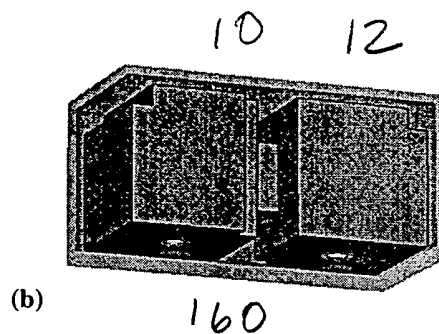
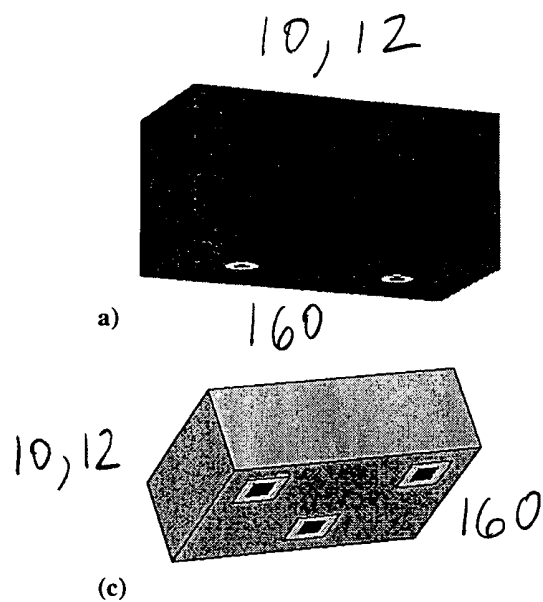


Figure 14.

099753-1401  
"SECRET"

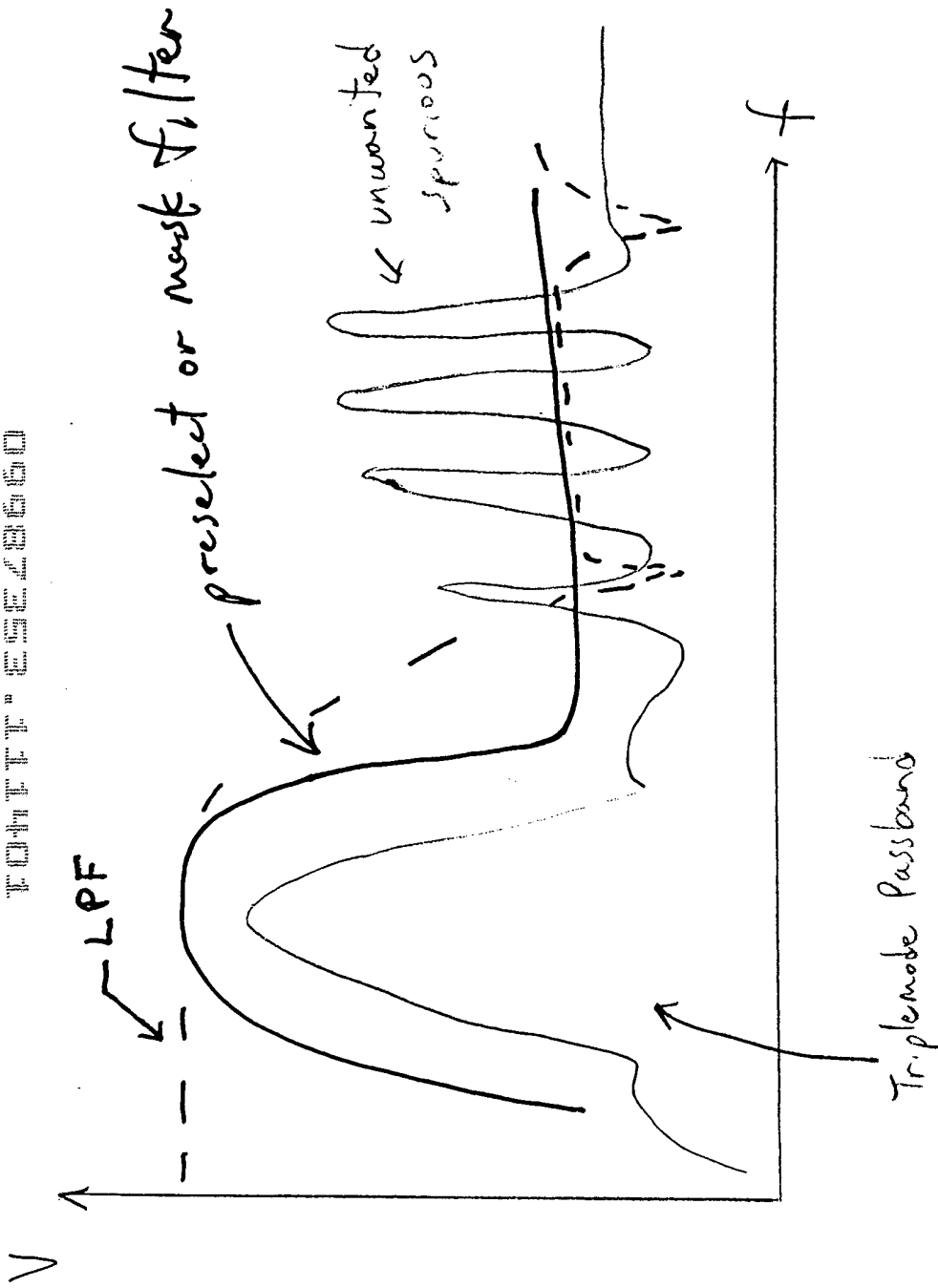
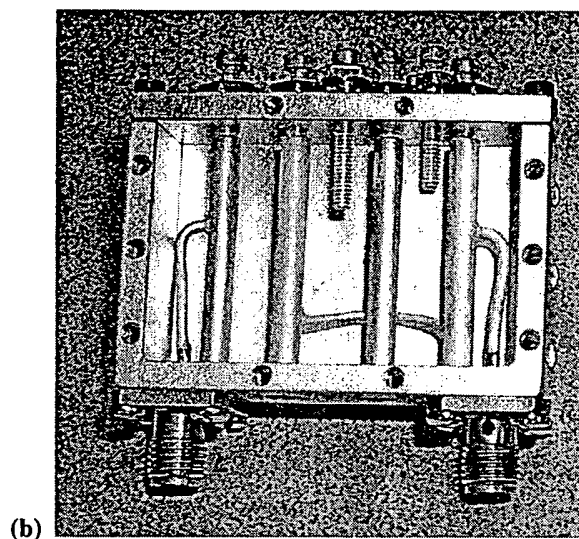
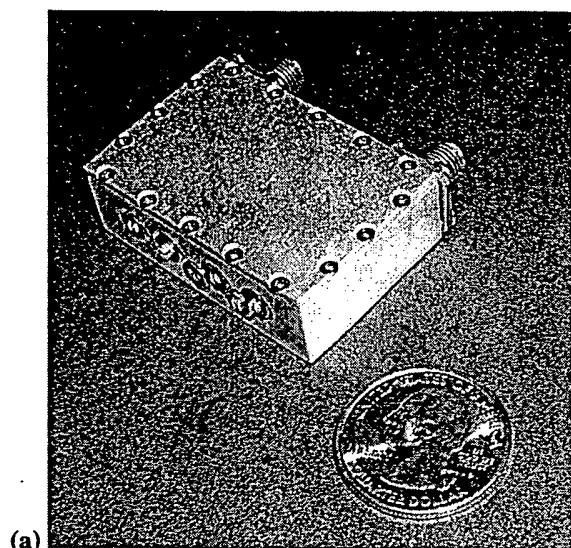


Figure 15

[illegible]

**Figure 16.**